

Aero Design Ltd.**Work Order Control Sheet**Work Order#: 2016-145 Date Opened: 21 Oct 16 Title: FabricationAircraft OEM: Multiple Aircraft Model: Multiple Product Type: Lid Prop Product Model: N/A Quantity: 48**Work Order Contents**

Work Order/Build Sheets (Procedures Provided)
Additional Work Sheets (Standard Practice)
Drawings (See List Below)
Parts Distribution Sheet
Sub Component Tags
Completed Certification
Time Sheet (R&D)
Notes

Initial or N/A

DB
N/A
DB
DB
N/A
JC
N/A
N/A

Build Sheet Contents

Tasks Initialled
Dual Inspections Initialled

Initial or N/A

JC
JC

Drawing List

Drawing #	Rev #	Description	Initial or N/A
36280	3	Lid Brace Assembly	DB

Traveller

Initial or N/A

Work performed by:

Print: D. BartfaiSign: 

ICC / Dual Inspection performed by:

Print: J. ClarkeSign: 

Work Order closed by:

Print: J. ClarkeSign: 

Approved Manufacturing Facility 73-04

Form 20.D.03

SCA: AD07Date: 24-Oct-16SCA: AD02Date: 24-Oct-16SCA: AD02Date: 22-Mar-17

Rev. Original 23 Sep 2014

Component Completion

Quantity Complete on This Work Order
Quantity Incomplete on This Work Order
Further Processing Required Before Release
Release to Stock as Components

As Instructed

47
N/A
N/A
N/A

Certification

Form One Completed
Serviceable (Green) Tag Completed
In Process (Yellow) Tag Completed
Unserviceable (Red) Tag Completed
Parts Placed in Stores for Distribution

Initial or N/A

N/A
JC
N/A
JC
N/A

Additional Documentation

Documentation of a minor change
Non-Conformance Report Required
Service Difficulty Report Required

Initial or N/A

N/A
N/A
N/A

Billing

Local (Aero Design)
Research and Development
Third Party

Initial or N/A

JC
N/A
N/A

1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. 2017-0017	
4. Organization Name and Address AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3					5. Work Order/Contract/Invoice WO 2016-145	
6. Item 1.	7. Description Lid Brace Assembly	8. Part Number 36280-01	9. Qty. 7	10. Serial/Batch No. NSN	11. Status/Work New	
12. Remarks						
13a. Certifies that the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.				14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12. Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.		
13b. Signature 		13c. Approved Organization Number AMF 73-04		14b. Signature		14c. Approved Organization Number
13d. Name Jeff Clarke - AD02		13e. Date (dd/mm/yyyy) 11 Jan 2017		14d. Name		14e. Date (dd/mm/yyyy)
<p style="text-align: center;">Installer Responsibilities</p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>						

ALPINE HELICOPTERS



Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Serviceable

Remarks

-1 SPRING DEFECTIVE



Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: HOOD PROP No. of pieces: 48

Manufacturer: VICTORIA BRITISH

Part No.: 9-2081 Serial No.: NSN

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: PO 16052

Remaining Tasks to be Performed: _____

Signature: JH CLH. AD

Date: 25 SEPT 2016 Lic. No. / SCA 73-04

Serviceable



Aero Design Ltd.

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AMF 73-04

Remarks

Serviceable





Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: Lid Prop No. of pieces: 17

Manufacturer: Victoria British

Part No.: 9-2081 Serial No.: ~~945~~ 16053

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2016-145

Remaining Tasks to be Performed: Complete

Signature: [Signature]

Date: Oct 24th / 2016 Lic. No. / SCA AD-07

Serviceable



Aero Design Ltd.

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Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Serviceable

Remarks



Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: Lid Prop No. of pieces: 40^{DB} 30

Manufacturer: Victoria British

Part No.: 9-2081 Serial No.: 16053

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2016-145

Remaining Tasks to be Performed: Complete

Signature: Don Pitt

Date: Oct 24th / 2016 Lic. No. / SCA AD-07

Serviceable

1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. 2017-0088
4. Organization Name and Address AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3					5. Work Order/Contract/Invoice WO 2016-145
6. Item 1.	7. Description Lid Brace Assembly	8. Part Number 36280-01	9. Qty. 1	10. Serial/Batch No. NSN	11. Status/Work New
12. Remarks					
13a. Certifies that the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12. Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.		
13b. Signature  AD 73-04 02		13c. Approved Organization Number AMF 73-04		14b. Signature	
13d. Name Jeff Clarke - AD02		13e. Date (dd/mmm/yyyy) 20 Feb 2017		14c. Approved Organization Number	
				14d. Name	
				14e. Date (dd/mmm/yyyy)	
Installer Responsibilities					
This certificate does not constitute authority to install. Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified. Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.					

ACCESS HELICOPTERS

COMPONENT – LID PROP ASSEMBLY

General

These instructions apply to all cargo basket lid prop assemblies. Refer to the following drawings, at the current revision, for dimensions and details:

All Models: 36280, Rev. 2

Work Order: 2016-145

Date Open: 21 OCT 2016

Complete
(initial or SCA #)

AD
73-04
07

1. Machining

- a. Stock part: 9-2081 brace. Disassemble by sliding apart into separate pieces.
- b. Drill $\frac{1}{4}$ " hole up to $\frac{3}{8}$ " in both parts of slider assembly on drill press. Deburr holes.
- c. Drill #9 hole in 36280-03 slider (outside) in accordance with drawing.
 - i. Locate with stops on manual milling machine.
- d. Mill $\frac{3}{16}$ " slot 36280-02 slider (inside) in accordance with drawing.
 - i. Locate with stops on manual milling machine

AD
73-04
07

2. Assembly

- a. Insert AN3-4A bolt with three (3) NAS1149F0363P washers into hole in 36280-03 slider. Locate head and washer on INSIDE of slider.
- b. Locate one (1) NAS1149F0332P washer on bolt. Thread MS21044N3 nut on bolt, torque to 12-15 in-lbs. Align bolt head with flats ACROSS slider.
- c. Slide 36280-02 slider (inside) into 36280-03 slider (outside). Ensure stop catch inside slider catches on bolt head.
 - i. If inside slider cannot move past bolt, replace one NAS1149F0363P washer with NAS1149F0332P washer under bolt head and reassemble.
 - ii. If inside slider does not catch on bolt, add one NAS1149F0363P washer under bolt head and reassemble.

AD
73-04
02

3. Final Inspection

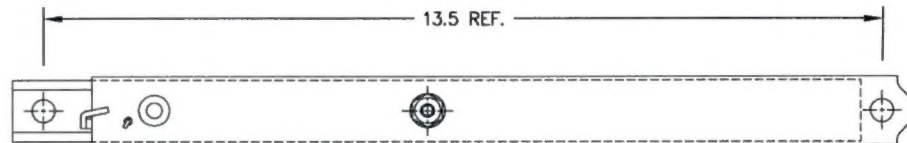
To be completed by a different person than the previous steps.

- a. Tag complete and inspected parts in preparation for installation.

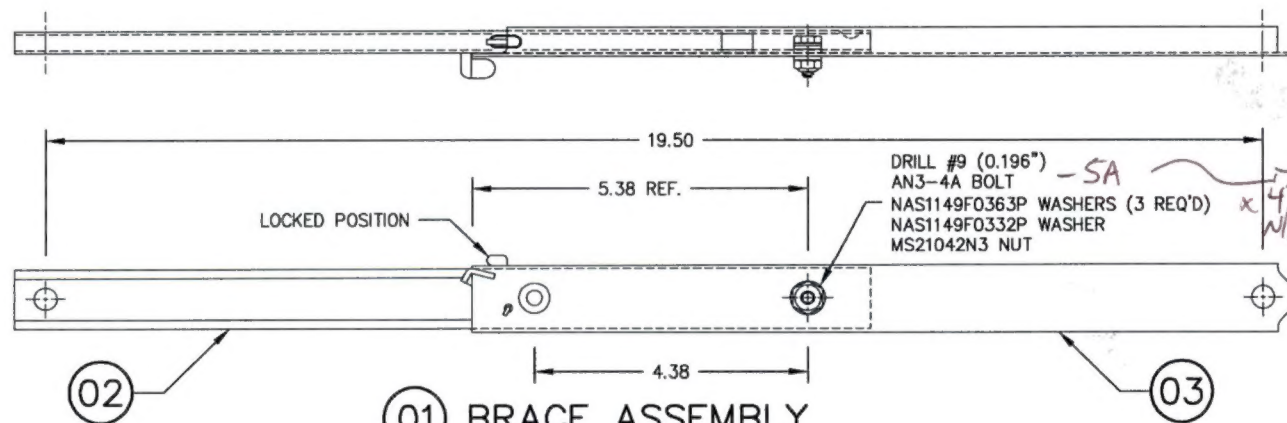
THIS DRAWING CONTAINS INFORMATION AND DATA WHICH IS PROPRIETARY TO AERO DESIGN LTD. THIS DRAWING, OR ANY PORTION THEREOF, MAY NOT BE REPRODUCED, COPIED, OR DUPLICATED IN ANY MANNER, NOR USED FOR MANUFACTURING WITHOUT THE WRITTEN CONSENT OF AERO DESIGN LTD. BY ACCEPTING THIS DRAWING FOR REFERENCE, THE RECIPIENT AGREES TO HOLD AERO DESIGN LTD. HARMLESS FROM THE USE, OR MISUSE, OF THIS DRAWING OR THE INFORMATION CONTAINED THEREON.

REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
1	CHANGED POSITION OF STOP BOLT (WAS 4.38")	STF	JUL 01/02
2	CHANGED POSITION OF STOP BOLT (WAS 4.31")	BJC	APR 28/04
3	TITLE BLOCK UPDATED; COMPONENT PARTS IDENTIFIED	BJC	13/03/2014

RETRACTED



EXTENDED



DRILL #9 (0.196")
AN3-4A BOLT
NAS1149F0363P WASHERS (3 REQ'D)
NAS1149F0332P WASHER
MS21042N3 NUT

-SA
x4
N/A
jc.
-4A too short

01 BRACE ASSEMBLY

REMOVE SLIDER TO PERFORM MODIFICATION

APPROVALS	DATE
DRAWN: STEVEN FAHEY	MAR 18/02
CHECKED: E. BURGOIN	MAY 01/03



AERO DESIGN LTD.

9888A MALASPINA ROAD
POWELL RIVER, BC, CANADA, V8A 0G3
TEL: 804.483.2378 www.aerodesign.ca

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES.

TOLERANCES ON:

DECIMALS ANGLES
X.XXX ± 0.010 $\pm 1/2^\circ$
X.XX ± 0.03
X.X ± 0.1

HELICOPTER CARGO BASKET
LID BRACE ASSEMBLY

SCALE 1 : 2

DWG. SIZE

DWG. NO.

REV.

SHEET 1 OF 2

A3

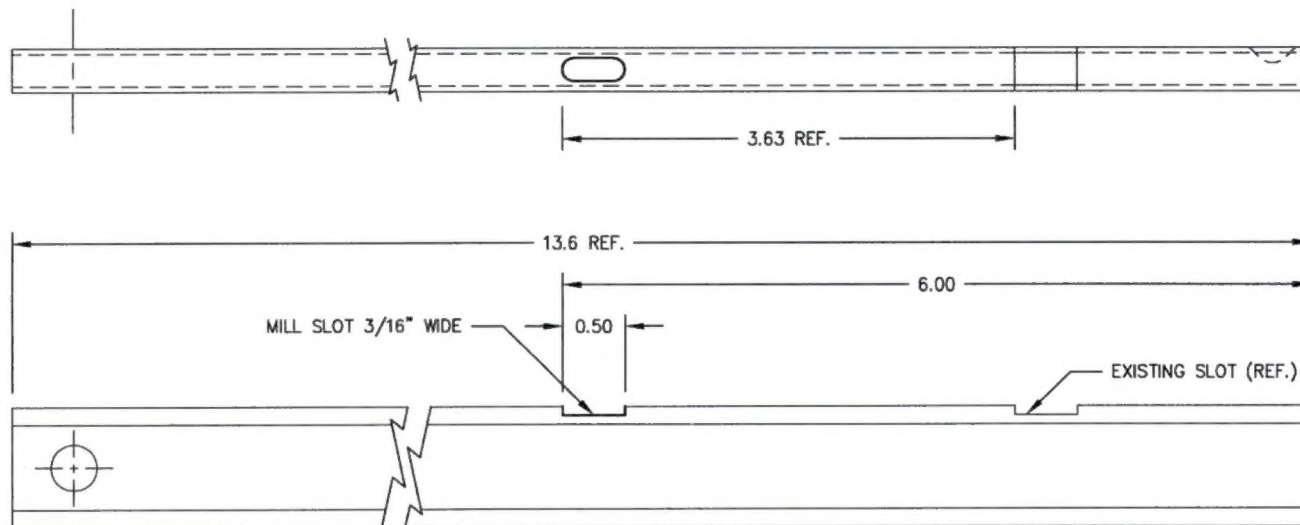
36280

3

1	MS21044N3	NUT	
1	NAS1149F0332P	WASHER	
3	NAS1149F0363P	WASHER	
1	AN3-4A	BOLT	
1	36280-03	03 MODIFIED GUIDE	STOCK: 9-2081 PROP
1	36280-02	02 MODIFIED SLIDER	VICTORIA BRITISH
	36280-01	01 BRACE ASSEMBLY	

QTY	PART NO.	ITEM	DESCRIPTION	MATERIAL
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LIST OF MATERIALS



02 MODIFIED SLIDER

REMOVE FROM GUIDE TO PERFORM MODIFICATION

1	9-2081		LID BRACE	VICTORIA BRITISH
	36280-02	02	MODIFIED SLIDER	
01	PART NO.	ITEM	DESCRIPTION	MATERIAL
QTY.	LIST OF MATERIALS			

APPROVALS	DATE	 AERO DESIGN LTD. 9888A MALASPINA ROAD POWELL RIVER, BC, CANADA, V8A 0G3 TEL: 804.483.2376 www.aerodesign.ca		
DRAWN: STEVEN FAHEY	MAR 18/02			
CHECKED: E. BURGOIN	MAY 01/03			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON: DECIMALS ANGLES X.XXX ±0.010 ±1/2° X.XX ±0.03 X.X ±0.1		HELICOPTER CARGO BASKET LID BRACE SLIDER MODIFICATION		
SCALE 1 : 2		DWG. SIZE	DWG. NO.	REV.
SHEET 2 OF 2		A3	36280	3

